

AMENDMENTS TO THE CLAIMS

Listing of Claims

A listing of the entire set of pending claims is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously presented) A lighting system comprising:

a light-emitting panel comprising a front wall, a rear wall situated opposite thereto, and, between the front and the rear wall, a first edge surface and, opposite thereto, a second edge surface, the first edge surface being light-transmitting, and

a first light source associated with the first edge surface, such that, in operation, light originating from the first light source is incident on the first edge surface and distributes itself in the panel,

wherein the light-emitting panel widens over

- i. a first widening section from the first edge surface in a direction towards the second edge surface and
- ii. a second widening section from the second edge surface in a direction towards the first edge surface,

wherein the surface of the second edge surface is specularly or diffusely reflects, and

wherein the light-emitting panel comprises, between the first widening section and the second edge surface, a light guide part including a structure configured for providing light extraction.

2. (Canceled)

3. (Previously presented) A lighting system as claimed in claim 1, wherein a ratio of the surface area S_1 of the first edge surface and the largest cross section S_{lc} in the light-emitting panel substantially parallel to the first edge surface satisfies the relation:

$$1.5 < \frac{S_{lc}}{S_1} < 3.$$

- 4-6. (Canceled)

7. (Currently amended) A lighting system as claimed in claim 1, wherein the rear wall is provided over at least the first widening section with the structure that includes a multiplicity of steps having surfaces that face the front wall and are substantially parallel to the front wall, and wherein a further surface of the steps makes an angle β with respect to a normal on the front wall, wherein

$$-48 \leq \beta \leq 48^\circ.$$

8. (Previously presented) A lighting system as claimed in claim 7, wherein the angle β is in the range

$$0 \leq \beta \leq 48^\circ.$$

9. (Previously presented) A lighting system as claimed in claim 1, wherein the front wall is comprises a translucent diffuser.

10. (Canceled).

11. (Previously presented) A lighting system as claimed in claim 1, wherein the rear wall of the light-emitting panel is provided with the structure to extract the light by disrupting total internal reflection locally.

12. (Canceled).

13. (Previously presented) A lighting system as claimed in claim 1, wherein the light source comprises one white LED or at least two light-emitting diodes with different light emission wavelengths.

14. (Previously presented) A lighting system as claimed in claim 13, wherein each of the light-emitting diodes has a luminous flux of at least 5 lm.

15-20 (Canceled).

21. (Previously presented) The lighting system of claim 1, wherein a ratio of the surface area S_1 of the first edge surface and the largest cross section S_{isc} in the light-emitting panel substantially parallel to the first edge surface satisfies the relation:

$$1 < \frac{S_{isc}}{S_1} < 10.$$

22-27. (Canceled).